| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-----------|--|----------------------|---------------------|---------|------------------|
| L1 | 6 | (column with chromotography) and mannich | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:22 |
| L2 | 23 | 508/544,561.ccls. and mannich | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:54 |
| L3 | 28790 | "23" and vinylidene | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:29 |
| L4 | 3 | 2 and vinylidene | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:30 |
| L5 | 160858 | lubricating or lubricant | EPO; JPO; DERWENT | OR | ON | 2005/03/20 12:31 |
| L6 | 319 | 5 and Mannich | EPO; JPO; DERWENT | OR | ON | 2005/03/20 13:00 |
| L7 | 2 | 6 and vinylidene | EPO; JPO; DERWENT | OR | ON | 2005/03/20 12:33 |
| L8 | 25 | 6 and reactive | EPO; JPO; DERWENT | OR | ON | 2005/03/20 12:50 |
| L9 | 15 | "5330662" | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:51 |
| L10 | 3 | 9 and mannich | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:51 |
| L11 | 0 | 6 and dimethylamine | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:52 |
| L12 | 0 | 6 and morpholine | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:53 |
| L13 | 0 | 6 and propylamine | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:53 |
| L14 | 0 | 6 and dimethylamino | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:53 |
| L15 | 0 | 6 and secondary | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:53 |
| L16 | 1110 | "508"/\$.ccls. and mannich | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:59 |
| L17 | 127 | 16 and dimethylamine | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:56 |
| L18 | 12 | 17 and polydispersity | US-PGPUB; USPAT | OR | ON | 2005/03/20 12:59 |
| L19 | 50 | "highly reactive polyisobutene" | US-PGPUB; USPAT | OR | ON | 2005/03/20 13:05 |
| L20 | 17 | 19 and mannich | US-PGPUB; USPAT | OR | ON | 2005/03/20 13:00 |
| L21 | 0 | 20 and 5 | US-PGPUB; USPAT | OR | ON | 2005/03/20 13:00 |
| L22 | 0 | 20 and Mannich | EPO; JPO; DERWENT | OR | ON | 2005/03/20 13:00 |

| L23 | 398 | oil and Mannich | EPO; JPO; DERWENT | OR | ON | 2005/03/20 13:01 |
|-----|------|--|------------------------------|----|----|------------------|
| L24 | 0 | 20 and 23 | EPO; JPO; DERWENT | OR | ON | 2005/03/20 13:01 |
| L25 | 221 | 23 and lubricating | EPO; JPO; DERWENT | OR | ON | 2005/03/20 13:01 |
| L26 | 9 | 25 and (PIB or polyisobutyl or polyisobutene or polyisobutenyl) | EPO; JPO; DERWENT | OR | ON | 2005/03/20 13:06 |
| L27 | 0 | 6 and (PIB or polyisobutyl or polyisobutene or polyisobutenyl) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/20 13:04 |
| L28 | 1107 | mannich and (PIB or polyisobutyl or polyisobutene or polyisobutenyl) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/20 13:05 |
| L29 | 115 | highly with reactive with (PIB or polyisobutyl or polyisobutene or polyisobutenyl) | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/20 13:07 |
| L30 | 46 | 29 and mannich | US-PGPUB; USPAT; USOCR | OR | ON | 2005/03/20 13:20 |
| L31 | 99 | 508/542 | US-PGPUB; USPAT | OR | ON | 2005/03/20 13:21 |
| L32 | 68 | 31 and mannich | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:17 |
| L33 | 0 | "20050059814" and polydispersity | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:18 |
| L34 | 1 | "20050059814" | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:20 |
| L35 | 1 | 1 and (molecular adj1 weight) | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:18 |
| L36 | | 34 and (molecular adj1 weight) | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:19 |
| L37 | | 36 and ultravis | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:19 |
| L38 | 0 | 36 and polyisobutene | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:22 |
| L39 | 0 | 34 and ultravis | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:20 |
| L40 | 0 | 34 and ultravis\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:22 |
| L41 | 348 | ultravis\$6 | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:35 |
| L42 | 156 | 41 and polyisobutene | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:48 |
| L43 | 15 | 42 and polydispersity | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:33 |

| L44 | 14 | "5300701" and polydispersity | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:33 |
|-----|-----|--|--------------------|------|----|------------------|
| L45 | 131 | 41 with "10" | US-PGPUB; USPAT | OR . | ON | 2005/03/20 14:46 |
| L46 | 84 | 45 and (lubricant or lubricating) | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:47 |
| L47 | 0 | 45 and (lubricant or lubricating) and polydispersity | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:36 |
| L48 | 10 | "6562913" | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:50 |
| L49 | 10 | 48 and polydispersity | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:48 |
| L50 | 0 | 48 and ultravis | US-PGPUB; USPAT | OR | ON | 2005/03/20 14:50 |